

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/856,200
Source: IFW/b
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IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,200

DATE: 11/24/2006

TIME: 15:45:59

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3 <110> APPLICANT: Kwong, Peter D.
4      Hendrickson, Wayne A.
5      Sodroski, Joseph G.
6      Wyatt, Richard T.
8 <120> TITLE OF INVENTION: CRYSTALLOGRAPHY-RELATED METHOD FOR IDENTIFYING POTENTIAL
9      INHIBITORS OF THE CD4-GP120 INTERACTION
11 <130> FILE REFERENCE: 54203-H-PCT-US
13 <140> CURRENT APPLICATION NUMBER: 09/856,200
14 <141> CURRENT FILING DATE: 2003-01-03
16 <150> PRIOR APPLICATION NUMBER: PCT/US98/23905
17 <151> PRIOR FILING DATE: 1998-11-10
19 <150> PRIOR APPLICATION NUMBER: US 09/100,631
20 <151> PRIOR FILING DATE: 1998-06-18
22 <150> PRIOR APPLICATION NUMBER: US 08/976,741
23 <151> PRIOR FILING DATE: 1997-11-24
25 <150> PRIOR APPLICATION NUMBER: US 09/100,763
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29 <151> PRIOR FILING DATE: 1997-11-10
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32 <151> PRIOR FILING DATE: 1998-06-18
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37 <150> PRIOR APPLICATION NUMBER: US 09/100,762
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40 <150> PRIOR APPLICATION NUMBER: US 08/966,932
41 <151> PRIOR FILING DATE: 1997-11-10
43 <150> PRIOR APPLICATION NUMBER: US 09/100,521
44 <151> PRIOR FILING DATE: 1998-06-18
46 <150> PRIOR APPLICATION NUMBER: US 08/967,148
47 <151> PRIOR FILING DATE: 1997-11-10
49 <160> NUMBER OF SEQ ID NOS: 13
51 <170> SOFTWARE: PatentIn version 3.3
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56 <213> ORGANISM: Homo sapiens
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65          20          25          30
68 Leu Trp Asp Gln Ser Leu Lys Pro Cys Val Lys Leu Thr Pro Leu Cys

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72 Val Gly Ala Gly Ser Cys Asn Thr Ser Val Ile Thr Gln Ala Cys Pro
73          50          55          60
76 Lys Val Ser Phe Glu Pro Ile Pro Ile His Tyr Cys Ala Pro Ala Gly
77 65          70          75          80
80 Phe Ala Ile Leu Lys Cys Asn Asn Lys Thr Phe Asn Gly Thr Gly Pro
81          85          90          95
84 Cys Thr Asn Val Ser Thr Val Gln Cys Thr His Gly Ile Arg Pro Val
85          100          105          110
88 Val Ser Thr Gln Leu Leu Leu Asn Gly Ser Leu Ala Glu Glu Glu Val
89          115          120          125
92 Val Ile Arg Ser Val Asn Phe Thr Asp Asn Ala Lys Thr Ile Ile Val
93          130          135          140
96 Gln Leu Asn Thr Ser Val Glu Ile Asn Cys Thr Gly Ala Gly His Cys
97 145          150          155          160
100 Asn Ile Ser Arg Ala Lys Trp Asn Asn Thr Leu Lys Gln Ile Ala Ser
101          165          170          175
104 Lys Leu Arg Glu Phe Gly Asn Asn Lys Thr Ile Ile Phe Lys Gln Ser
105          180          185          190
108 Ser Gly Gly Asp Pro Glu Ile Val Thr His Ser Phe Asn Cys Gly Gly
109          195          200          205
112 Glu Phe Phe Tyr Cys Asn Ser Thr Gln Leu Phe Asn Ser Thr Trp Phe
113          210          215          220
116 Asn Ser Thr Trp Ser Thr Glu Gly Ser Asn Asn Thr Glu Gly Ser Asp
117 225          230          235          240
120 Thr Ile Thr Leu Pro Cys Arg Ile Lys Gln Ile Ile Asn Met Trp Gln
121          245          250          255
124 Lys Val Gly Lys Ala Met Tyr Ala Pro Pro Ile Ser Gly Gln Ile Arg
125          260          265          270
128 Cys Ser Ser Asn Ile Thr Gly Leu Leu Leu Thr Arg Asp Gly Gly Asn
129          275          280          285
132 Ser Asn Asn Glu Ser Glu Ile Phe Arg Pro Gly Gly Gly Asp Met Arg
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152          20          25          30
155 Ser Leu Lys Pro Cys Val Lys Leu Thr Pro Leu Cys Val Asn Cys Asn
156          35          40          45
159 Thr Ser Ala Ile Thr Gln Ala Cys Pro Lys Val Thr Leu Asp Pro Ile
160          50          55          60
163 Pro Ile His Tyr Cys Ala Pro Ala Gly Tyr Ala Ile Leu Lys Cys Asn

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164 65          70          75          80
167 Asn Lys Thr Phe Asn Gly Thr Gly Pro Cys Asn Asn Val Ser Thr Val
168          85          90          95
171 Gln Cys Thr His Gly Ile Lys Pro Val Ile Ser Thr Gln Leu Leu Leu
172          100          105          110
175 Asn Gly Ser Ile Ala Glu Glu Glu Ile Ile Ile Arg Ser Glu Asn Leu
176          115          120          125
179 Thr Asn Asn Ala Lys Ile Ile Ile Val Gln Leu Asn Lys Ser Val Glu
180          130          135          140
183 Ile Asn Cys Ala Tyr Cys Asn Ile Ser Arg Asn Glu Trp Asn Ile Thr
184 145          150          155          160
187 Leu Gln Trp Val Arg Glu Lys Leu Lys Arg His Phe Pro Asn Lys Thr
188          165          170          175
191 Ile Asn Phe Thr Gln Pro Ser Gly Gly Asp Leu Glu Ile Thr Thr His
192          180          185          190
195 Ser Phe Asn Cys Arg Gly Glu Phe Phe Tyr Cys Asn Thr Ser Ser Leu
196          195          200          205
199 Phe Asn Ser Ser Asp Asn Asn Asn Ser Thr Ile Ile Thr Leu Pro Cys
200          210          215          220
203 Arg Ile Lys Gln Ile Ile Asn Met Trp Gln Gly Val Gly Arg Ala Met
204 225          230          235          240
207 Tyr Ala Pro Pro Ile Lys Gly Lys Ile Thr Cys Arg Ser Asn Ile Thr
208          245          250          255
211 Gly Leu Leu Leu Thr Arg Asp Gly Gly Glu Thr Ser Glu Thr Asn Ser
212          260          265          270
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220          290          295          300
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234 Tyr Met Val Glu Gln Met Gln Glu Asp Ile Ile Ser Leu Trp Asp Gln
235          20          25          30
238 Ser Leu Lys Pro Cys Val Gln Met Thr Phe Leu Cys Val Asn Cys Asn
239          35          40          45
242 Ser Thr Thr Ile Thr Gln Ala Cys Pro Lys Val Ser Phe Glu Pro Ile
243          50          55          60
246 Pro Ile His Tyr Cys Ala Pro Ala Gly Tyr Ala Ile Phe Lys Cys Asn
247 65          70          75          80
250 Ser Thr Glu Phe Asn Gly Thr Gly Thr Cys Arg Asn Ile Thr Val Val
251          85          90          95
254 Thr Cys Thr His Gly Ile Arg Pro Thr Val Ser Thr Gln Leu Ile Leu
255          100          105          110
258 Asn Gly Thr Leu Ser Lys Gly Lys Ile Arg Met Met Ala Lys Asp Ile

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259          115          120          125
262 Leu Glu Gly Gly Lys Asn Ile Ile Val Thr Leu Asn Ser Thr Leu Asn
263          130          135          140
266 Met Thr Cys Glu Tyr Cys Lys Tyr Asn Ala Thr Asp Trp Gly Lys Ile
267 145          150          155          160
270 Leu Lys Gln Thr Ala Glu Arg Tyr Leu Glu Leu Val Asn Asn Thr Gly
271          165          170          175
274 Ser Ile Asn Met Thr Phe Asn His Ser Ser Gly Gly Asp Leu Glu Val
275          180          185          190
278 Thr His Leu His Phe Asn Cys His Gly Glu Phe Phe Tyr Cys Asn Thr
279          195          200          205
282 Ala Lys Met Phe Asn Tyr Thr Phe Ser Cys Asn Gly Thr Thr Cys Ser
283          210          215          220
286 Val Ser Asn Val Ser Gln Gly Asn Asn Gly Thr Leu Pro Cys Lys Leu
287 225          230          235          240
290 Arg Gln Val Val Arg Ser Trp Ile Arg Gly Gln Ser Gly Leu Tyr Ala
291          245          250          255
294 Pro Pro Ile Lys Gly Asn Leu Thr Cys Met Ser Asn Ile Thr Gly Met
295          260          265          270
298 Ile Leu Gln Met Asp Asn Thr Trp Asn Ser Ser Asn Asn Asn Val Thr
299          275          280          285
302 Phe Arg Pro Ile Gly Gly Asp Met Lys Asp Ile Trp Arg Thr Glu Leu
303          290          295          300
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307 305          310
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311 <211> LENGTH: 299
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315 <400> SEQUENCE: 4
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321 Val Thr Glu Gln Ala Ile Glu Asp Val Trp His Leu Phe Glu Thr Ser
322          20          25          30
325 Ile Lys Pro Cys Val Lys Leu Thr Pro Leu Cys Val His Cys Asn Thr
326          35          40          45
329 Ser Val Ile Thr Glu Ser Cys Asp Lys His Tyr Trp Asp Ala Ile Arg
330          50          55          60
333 Phe Arg Tyr Cys Ala Pro Pro Gly Tyr Ala Leu Leu Arg Cys Asn Asp
334 65          70          75          80
337 Thr Asn Tyr Ser Gly Phe Ala Pro Asn Cys Ser Lys Val Val Ala Ser
338          85          90          95
341 Thr Cys Thr Arg Met Met Glu Thr Gln Thr Ser Thr Trp Phe Gly Phe
342          100          105          110
345 Asn Gly Thr Arg Ala Glu Asn Thr Arg Tyr Ile Tyr Trp His Gly Arg
346          115          120          125
349 Asp Asn Arg Thr Ile Ile Ser Leu Asn Lys Tyr Tyr Asn Leu Ser Leu
350          130          135          140
353 His Cys Lys Trp Cys Trp Phe Lys Gly Lys Trp Lys Asp Ala Met Gln

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Input Set : A:\54203-H-PCT-US.txt

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354 145          150          155          160
357 Glu Val Lys Glu Thr Leu Ala Lys His Pro Arg Tyr Arg Gly Thr Asn
358          165          170          175
361 Asp Thr Arg Asn Ile Ser Phe Ala Ala Pro Gly Lys Gly Ser Asp Pro
362          180          185          190
365 Glu Val Ala Tyr Met Trp Thr Asn Cys Arg Gly Glu Phe Leu Tyr Cys
366          195          200          205
369 Asn Met Thr Trp Phe Leu Asn Trp Ile Glu Asn Lys Thr His Arg Asn
370          210          215          220
373 Tyr Ala Pro Cys His Ile Lys Gln Ile Ile Asn Thr Trp His Lys Val
374 225          230          235          240
377 Gly Arg Asn Val Tyr Leu Pro Pro Arg Glu Gly Glu Leu Ser Cys Asn
378          245          250          255
381 Ser Thr Val Thr Ser Ile Ile Ala Asn Ile Asp Trp Gln Asn Asn Asn
382          260          265          270
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405          20          25          30
408 Met Arg Pro Cys Val Lys Leu Ser Pro Ile Cys Ile His Cys Asn Asp
409          35          40          45
412 Ser Val Ile Lys Glu Ala Cys Asp Lys Thr Tyr Trp Asp Thr Leu Arg
413          50          55          60
416 Val Arg Tyr Cys Ala Pro Ala Gly Tyr Ala Leu Leu Lys Cys Asn Asp
417 65          70          75          80
420 Lys Asp Tyr Arg Gly Phe Ala Pro Lys Cys Lys Asn Val Ser Val Val
421          85          90          95
424 His Cys Thr Arg Leu Ile Asn Thr Thr Ile Thr Thr Gly Ile Gly Leu
425          100         105         110
428 Asn Gly Ser Arg Ser Glu Asn Arg Thr Glu Ile Trp Gln Lys Gly Gly
429          115         120         125
432 Asn Asp Asn Asp Thr Val Ile Ile Lys Leu Asn Lys Phe Tyr Asn Leu
433          130         135         140
436 Thr Val Arg Cys Arg Trp Cys His Phe Gln Gly Asp Trp Lys Gly Ala
437 145          150          155          160
440 Trp Lys Glu Val Arg Glu Glu Val Lys Lys Val Lys Asn Leu Thr Glu
441          165         170         175
444 Val Ser Ile Glu Asn Ile His Leu Arg Arg Ile Trp Gly Asp Pro Glu
445          180         185         190
448 Ser Ala Asn Phe Trp Phe Asn Cys Gln Gly Glu Phe Phe Thr Cys Lys

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,200

DATE: 11/24/2006

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